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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/747,681	12/26/2000	Masaki Mukai	MAT-8080US	4648

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EXAMINER

LANEAU, RONALD

ART UNIT	PAPER NUMBER
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2674

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DATE MAILED: 04/04/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/747,681	Applicant(s) MUKAI ET AL.	
	Examiner Ronald Laneau	Art Unit 2674	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 January 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-44 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 27-31 is/are allowed.
- 6) ☒ Claim(s) 1-20, 32-44 is/are rejected.
- 7) ☒ Claim(s) 21-26 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other: _____ |

Response to Amendment

1. The amendment filed on 1/27/03 has been entered. New claims 27-44 are added and claims 1-44 are now pending.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-20 and 32-44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yamagishi (5,838,926).

As per claims 1 and 3, Yamagishi teaches a data processing for processing data based on a received result of wireless-communication 112, a CPU 140 having a memory, a user's input (scanner unit 218), an image data (image formation 130) as a result of data processing received through said wireless unit 112 (fig. 1). Yamagishi does not explicitly teach that image data is generated in said data processing apparatus but it would have been obvious to one of ordinary skill in the art to generate an image formation at the data processing level because it would be economical since there will be no need to have the image formation apparatus.

As per claims 2 and 11, the data processing taught by Yamagishi can actually transmit image data from the wireless unit in a differential portion as claimed.

As per claims 4 and 8, see rejection of claim 3. Yamagishi does not explicitly teach a wireless quality measuring unit for measuring a wireless quality but it would have been obvious

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to one of ordinary skill in the art to utilize a wireless quality measuring unit as claimed because it would provide an image process apparatus which allows a user to have an optimal display quality when processing an image.

As per claims 5, 6, 9, 10, and 18-20, Yamagishi teaches a storage unit 302 for storing image data whether it is temporary or permanent, a display unit 321 which can be turned on and off by a user. Yamagishi does not explicitly teach updating stored image data to a latest image data transmitted from said data processing but it would have been obvious to one of ordinary skill in the art to utilize an updated image data because it would provide the ability to generate high quality updated display for the user.

As per claim 7, Yamagishi teaches an image display apparatus 130 having a first wireless unit 112, a display unit 221 seen in figure 2, an input unit (scanner unit 218), data processing for processing data based on a received result of wireless-communication 112, a CPU 140 having a memory, a user's input (scanner unit 218), an image data (image formation 130) as a result of data processing received through said wireless unit 112 (fig. 1).

As per claims 12-14, the data processing taught by Yamagishi can actually transmit image data from the wireless unit in a differential portion as claimed.

As per claim 15, Yamagishi teaches an image display apparatus 130 having a wireless communication unit 112, a display unit 221 for displaying the image data seen in figure 2, an input unit (scanner unit 218), a storage unit 302 for storing the image data, an image data (image formation 130) as a result of data processing received through said wireless unit 112 (fig. 1). The control unit 301 seen in figure 3 is actually controlling the storage unit 301 that stores image data

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and also that displays image data stored in said storage unit (see col. 7, lines 7-15 and col. 8, lines 5-12).

As per claims 16 and 17, Yamagishi teaches an image display apparatus 130 having a wireless communication unit 112, a display unit 221 for displaying the image data seen in figure 2, an input unit (scanner unit 218), a storage unit 302 for storing the image data, an image data (image formation 130) as a result of data processing received through said wireless unit 112 (fig. 1). The control unit 301 seen in figure 3 is actually controlling the storage unit 301 that stores image data and also that displays image data stored in said storage unit (see col. 7, lines 7-15 and col. 8, lines 5-12). Yamagishi does not teach an update image storage control but it would have been obvious to one of ordinary skill in the art to utilize an update image control as claimed because it would provide the ability to generate high quality updated display for the user.

As per claims 32, 33, 36, and 38, Yamagishi teaches a data processing for processing data based on a received result of wireless-communication 112, a CPU 140 having a memory, a user's input (scanner unit 218), an image data (image formation 130) as a result of data processing received through said wireless unit 112 (fig. 1). Yamagishi teaches a data processing that is capable of transmitting image data from the wireless unit in a differential portion as claimed.

Yamagishi does not explicitly teach that image data is generated in said data processing apparatus but it would have been obvious to one of ordinary skill in the art to generate an image formation at the data processing level because it would be economical since there will be no need to have the image formation apparatus.

As per claims 34 and 42, see rejection of claims 33 and 38. Yamagishi does not explicitly teach a wireless quality measuring unit for measuring a wireless quality but it would

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have been obvious to one of ordinary skill in the art to utilize a wireless quality measuring unit as claimed because it would provide an image process apparatus which allows a user to have an optimal display quality when processing an image.

As per claims 35, 40, and 43, Yamagishi teaches a storage unit 302 for storing image data whether it is temporary or permanent, a display unit 321 which can be turned on and off by a user. Yamagishi does not explicitly teach updating stored image data to a latest image data transmitted from said data processing but it would have been obvious to one of ordinary skill in the art to utilize an updated image data because it would provide the ability to generate high quality updated display for the user.

As per claim 37, see rejection of claim 36. The data processing taught by Yamagishi can actually transmit image data from the wireless unit in a differential portion as claimed.

As per claim 39, see rejection of claim 38. Yamagishi does not explicitly teach a wireless quality measuring unit for measuring a wireless quality but it would have been obvious to one of ordinary skill in the art to utilize a wireless quality measuring unit as claimed because it would provide an image process apparatus which allows a user to have an optimal display quality when processing an image.

As per claim 44, the data processing taught by Yamagishi can actually transmit image data from the wireless unit in a differential portion as claimed.

Allowable Subject Matter

4. Claims 21-26 are objected for the same reasons given in previous action.

Claims 27-31 are allowed.

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None of the references, either singularly or in combination, teaches or even suggests the totality of the combination of elements cited in the claims:

As per claims 21-31, an image display apparatus wherein:

said storage means stores a series of user manipulation of each image data in correspondence to each image data in addition to the image data ,

said input means further receives the user manipulation of the image data stored in said storage means and displayed in said display means and stores the series temporarily,

said image storage control means stores, in said storage means, the series of the user manipulation stored in said input means in correspondence to the image data in addition to the image data, and

said wireless communication means transmits the user manipulation to said data processing apparatus aside from receiving the image data.

Response to Arguments

5. Applicant's arguments filed on 1/27/03 have been fully considered but they are not persuasive.

Applicant's arguments about Yamagishi not teaching an image data of an image to be displayed by the image display apparatus that is actually generated in the data processing apparatus are moot in view of the new position taken by the examiner. Further, applicant argues about Yamagishi not teaching an image data transmitted from said wireless unit that is a differential portion only. Applicant has not provided any evidence that shows the image data

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taught by Yamagishi cannot be transmitted from the wireless unit in a differential portion. Therefore, the rejection stands.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ronald Laneau whose telephone number is 703-305-3973. The examiner can normally be reached on Monday-Thursday from 8:00 AM to 6:00 PM or via email: ronald.laneau@uspto.gov.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe can be reached at 703-305-4709.

7. **Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

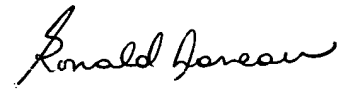
Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

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A handwritten signature in cursive script, appearing to read "Ronald Laneau".

Ronald Laneau

Examiner

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March 25, 2003